U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Sundry Print Report

08/12/2024

Well Name: CORRAL 17-8 FED COM

Well Location: T25S / R29E / SEC 17 / SWSW / 32.124192 / -104.012917

County or Parish/State: EDDY / NM

Well Number: 121H

Type of Well: CONVENTIONAL GAS WELL

Allottee or Tribe Name:

Lease Number: NMNM99147

Unit or CA Name:

Unit or CA Number:

US Well Number: 3001555151

Operator: XTO ENERGY INCORPORATED

Notice of Intent

Sundry ID: 2797594

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 06/27/2024

Time Sundry Submitted: 12:11

Date proposed operation will begin: 07/11/2024

Procedure Description: XTO Energy Incorporated respectfully requests approval to make the following changes to the approved APD. Changes to include LTP, Casing sizes, Cement, Proposed total Depth, and formation (Pool). FROM: TO: LTP: 2446' FSL & 330' FWL OF SECTION 8-T25S-R29E 2546' FSL & 330' FWL OF SECTION 8-T25S-R29E The proposed total depth is changing from 18020’ MD; 10085’ TVD (Purple sage/Wolfcamp) to 18198’ MD; 10112’ TVD (Wolfcamp A). The API number for this well is 30-015-55151. See attached Drilling Plan for updated cement and casing program. Attachments: C-102, Drilling Plan, Directional Plan, MBS, BOP Variance and Well Control Plan.

NOI Attachments

Procedure Description

Corral_17_8_Fed_Com_121H___BLM_APD_Change_Sundry_Attachments_20240701144805.pdf

Well Name: CORRAL 17-8 FED COM

Well Location: T25S / R29E / SEC 17 / SWSW / 32.124192 / -104.012917

County or Parish/State: EDDY / NM

Well Number: 121H

Type of Well: CONVENTIONAL GAS WELL

Allottee or Tribe Name:

Lease Number: NMNM99147

Unit or CA Name:

Unit or CA Number:

US Well Number: 3001555151

Operator: XTO ENERGY INCORPORATED

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: JENA AUSTIN

Signed on: JUL 01, 2024 02:48 PM

Name: XTO ENERGY INCORPORATED

Title: Regulatory Analyst

Street Address: 22777 SPRINGWOODS VILLAGE PARKWAY

City: SPRING **State:** TX

Phone: (346) 335-5295

Email address: JENA.N.AUSTIN@EXXONMOBIL.COM

Field

Representative Name:

Street Address:

City: **State:** **Zip:**

Phone:

Email address:

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5752342234

BLM POC Email Address: cwalls@blm.gov

Disposition: Approved

Disposition Date: 08/12/2024

Signature: Chris Walls

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE *- Other instructions on page 2*

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No.

1. Type of Well
☐ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.

2. Name of Operator

9. API Well No.

3a. Address

3b. Phone No. *(include area code)*

10. Field and Pool or Exploratory Area

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*

11. Country or Parish, State

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)*

Title

Signature

Date

THE SPACE FOR FEDERAL OR STATE OFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.
AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.
PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c)and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.
ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.
EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:
The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.
Response to this request is mandatory.
The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect ofthis form to U.S. Department ofthe Interior, Bureau ofLand Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Additional Remarks

Attachments: C-102, Drilling Plan, Directional Plan, MBS, BOP Variance and Well Control Plan.

Location of Well

0. SHL: SWSW / 464 FSL / 691 FWL / TWSP: 25S / RANGE: 29E / SECTION: 17 / LAT: 32.124192 / LONG: -104.012917 (TVD: 0 feet, MD: 0 feet)

PPP: SWSW / 330 FSL / 330 FWL / TWSP: 25S / RANGE: 29E / SECTION: 17 / LAT: 32.123839 / LONG: -104.014079 (TVD: 10085 feet, MD: 10500 feet)

PPP: SWNW / 2648 FSL / 333 FWL / TWSP: 25S / RANGE: 29E / SECTION: 17 / LAT: 32.130211 / LONG: -104.014107 (TVD: 10085 feet, MD: 13200 feet)

BHL: NWSW / 2596 FSL / 330 FWL / TWSP: 25S / RANGE: 29E / SECTION: 8 / LAT: 32.144638 / LONG: -104.01417 (TVD: 10085 feet, MD: 18020 feet)

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☑ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-015-55151	98220	PURPLE SAGE, WOLFCAMP (GAS)

[4] Property Code	[5] Property Name	[6] Well Number
	CORRAL 17-8 FED COM	121H

[7] OGRID No.	[8] Operator Name	[9] Elevation
005380	XTO ENERGY, INC	2,947'

[10] Surface Location

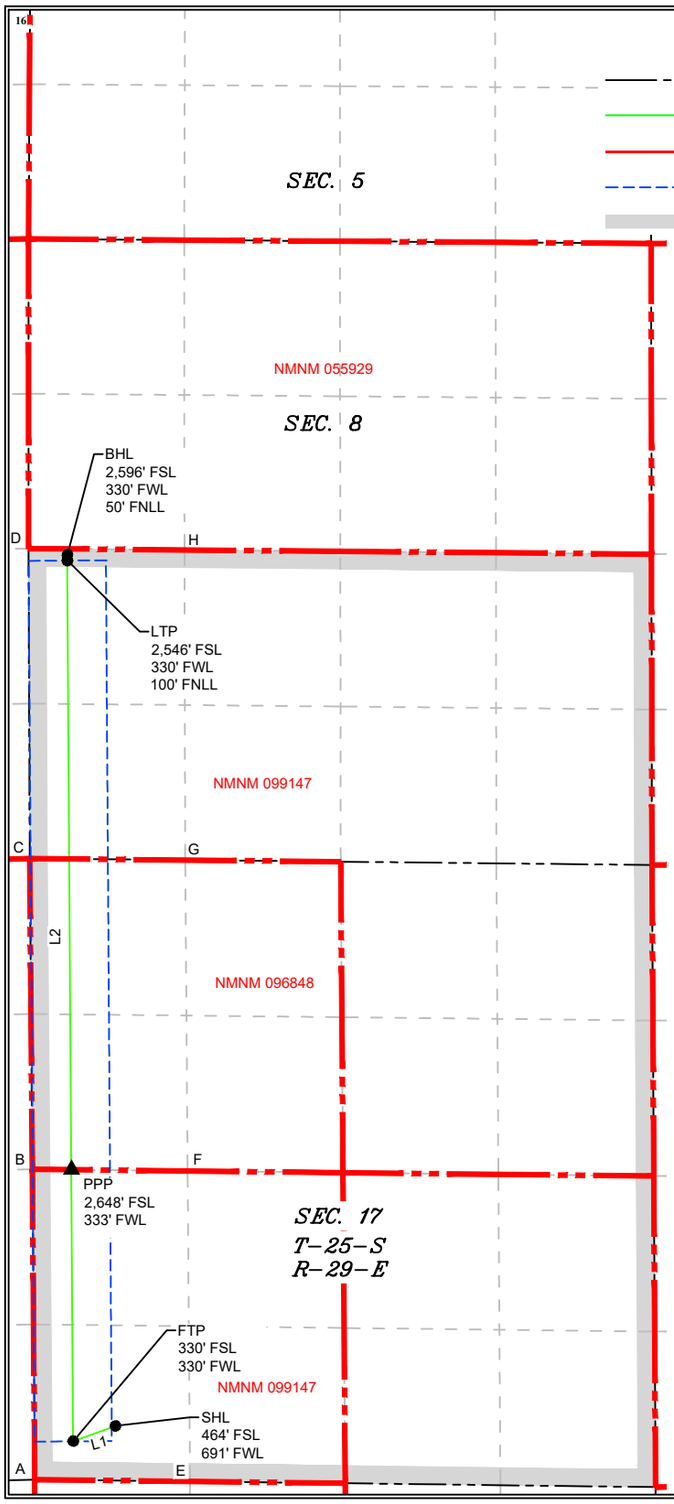
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	17	25 S	29 E		464	SOUTH	691	WEST	EDDY

[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	8	25 S	29 E		2,596	SOUTH	330	WEST	EDDY

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
960			

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



LEGEND

- SECTION LINE
- PROPOSED WELL BORE
- NEW MEXICO MINERAL LEASE
- 330' BUFFER
- ALLOCATION AREA

LINE TABLE		
LINE	AZIMUTH	LENGTH
L1	250°10'24"	382.15'
L2	359°37'04"	7,566.44'

COORDINATE TABLE

	SHL (NAD 83 NME)	SHL (NAD 27 NME)
Y =	409,064.6 N	409,006.1 N
X =	640,529.0 E	599,345.0 E
LAT. =	32.124192 °N	32.124068 °N
LONG. =	104.012917 °W	104.012428 °W

	FTP (NAD 83 NME)	FTP (NAD 27 NME)
Y =	408,934.9 N	408,876.5 N
X =	640,169.5 E	598,985.5 E
LAT. =	32.123839 °N	32.123714 °N
LONG. =	104.014079 °W	104.013590 °W

	LTP (NAD 83 NME)	LTP (NAD 27 NME)
Y =	416,451.2 N	416,392.6 N
X =	640,119.2 E	598,935.3 E
LAT. =	32.144501 °N	32.144376 °N
LONG. =	104.014170 °W	104.013681 °W

	BHL (NAD 83 NME)	BHL (NAD 27 NME)
Y =	416,501.2 N	416,442.6 N
X =	640,119.0 E	598,935.1 E
LAT. =	32.144638 °N	32.144514 °N
LONG. =	104.014170 °W	104.013681 °W

	PPP (NAD 83 NME)	PPP (NAD 27 NME)
Y =	411,252.9 N	411,194.4 N
X =	640,153.9 E	598,969.9 E
LAT. =	32.130211 °N	32.130086 °N
LONG. =	104.014107 °W	104.013619 °W

CORNER COORDINATES (NAD 83 NME)

A - Y =	408,608.8 N	A - X =	639,842.1 E
B - Y =	411,256.6 N	B - X =	639,820.6 E
C - Y =	413,908.7 N	C - X =	639,798.7 E
D - Y =	416,554.2 N	D - X =	639,788.8 E
E - Y =	408,593.2 N	E - X =	641,167.4 E
F - Y =	411,242.2 N	F - X =	641,147.0 E
G - Y =	413,895.5 N	G - X =	641,126.3 E
H - Y =	416,542.3 N	H - X =	641,119.7 E

CORNER COORDINATES (NAD 27 NME)

A - Y =	408,550.3 N	A - X =	598,658.2 E
B - Y =	411,198.1 N	B - X =	598,636.6 E
C - Y =	413,850.1 N	C - X =	598,614.7 E
D - Y =	416,495.6 N	D - X =	598,604.9 E
E - Y =	408,534.8 N	E - X =	599,983.4 E
F - Y =	411,183.7 N	F - X =	599,962.9 E
G - Y =	413,836.9 N	G - X =	599,942.4 E
H - Y =	416,483.6 N	H - X =	599,935.8 E

[17] OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Manish Saini 05/16/2024
Signature Date

Manish Saini
Printed Name

manish.saini@exxonmobil.com
E-mail Address

[18] SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

10/12/2023
Date of Survey

Signature and Seal of Professional Surveyor:

MARK DILLON HARP 23786
Certificate Number

CC/AI 618.013013.03-06

Intent [X] As Drilled [ ]

API #
30015

Operator Name:	Property Name:	Well Number
XTO ENERGY, INC	CORRAL 17-8 FED COM	121H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County

Latitude	Longitude	NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
M	17	25S	29E		330	South	330	West	Eddy

Latitude	Longitude	NAD
32.123839	104.014079	83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
L	8	25S	29E		2,546	South	330	West	Eddy

Latitude	Longitude	NAD
32.144501	104.014170	83

Is this well the defining well for the Horizontal Spacing Unit? [ ]

Is this well an infill well? [ ]

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #

Operator Name:	Property Name:	Well Number

KZ 06/29/2018

DRILLING PLAN: BLM COMPLIANCE
(Supplement to BLM 3160-3)

XTO Energy Inc.
CORRAL 17 - 8 FED COM 121H
Projected TD: 18198' MD / 10112' TVD
SHL: 464' FSL & 691' FWL , Section 17, T25S, R29E
BHL: 2596' FSL & 330' FWL , Section 8, T25S, R29E
Eddy County, NM

1. Geologic Name of Surface Formation

A. Quaternary

2. Estimated Tops of Geological Markers & Depths of Anticipated Fresh Water, Oil or Gas

Formation	Well Depth (TVD)	Water/Oil/Gas
Rustler	0'	Water
Top of Salt	580'	Water
Base of Salt	2657'	Water
Delaware	2857'	Water
Brushy Canyon	5349'	Water/Oil/Gas
Bone Spring	6556'	Water
1st Bone Spring	7337'	Water/Oil/Gas
2nd Bone Spring	7786'	Water/Oil/Gas
3rd Bone Spring	8617'	Water/Oil/Gas
Wolfcamp	9773'	Water/Oil/Gas
Wolfcamp X	9796'	Water/Oil/Gas
Wolfcamp Y	9872'	Water/Oil/Gas
Wolfcamp A	9912'	Water/Oil/Gas
Target/Land Curve	10112'	Water/Oil/Gas

*** Hydrocarbons @ Brushy Canyon
*** Groundwater depth 40’ (per NM State Engineers Office).

No other formations are expected to yield oil, gas or fresh water in measurable volumes. The surface fresh water sands will be protected by setting 9.625 inch casing @ 545' (35' above the salt) and circulating cement back to surface. The intermediate will isolate from the top of salt down to the next casing seat by setting 7.625 inch casing at 9307' and cemented to surface. A 6.75 inch curve and 6.75 inch lateral hole will be drilled to 18198 MD/TD and 5.5 inch production casing will be set at TD and cemented back up in the intermediate shoe (estimated TOC 9007 feet).

3. Casing Design

Hole Size	Depth	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
12.25	0’ – 545'	9.625	40	J-55	BTC	New	1.71	11.42	28.90
8.75	0’ – 4000'	7.625	29.7	RY P-110	Flush Joint	New	2.66	2.86	2.02
8.75	4000' – 9307'	7.625	29.7	HC L-80	Flush Joint	New	1.93	2.46	2.58
6.75	0’ – 9207'	5.5	20	RY P-110	Semi-Premium	New	1.26	2.11	2.41
6.75	9207' - 18198'	5.5	20	RY P-110	Semi-Flush	New	1.26	1.92	2.41

· XTO requests the option to utilize a spudder rig (Atlas Copco RD20 or Equivalent) to set and cement surface casing per this Sundry
· XTO requests to not utilize centralizers in the curve and lateral
· 7.625 Collapse analyzed using 50% evacuation based on regional experience.
· 5.5 Tension calculated using vertical hanging weight plus the lateral weight multiplied by a friction factor of 0.35
· Test on Casing will be limited to 70% burst of the casing or 1500 psi, whichever is less

· XTO requests the option to use 5" BTC Float equipment for the the production casing

Wellhead:

Permanent Wellhead – Multibowl System

A. Starting Head: 11” 10M top flange x 9-5/8” bottom

B. Tubing Head: 11” 10M bottom flange x 7-1/16” 15M top flange

- Wellhead will be installed by manufacturer’s representatives.
- Manufacturer will monitor welding process to ensure appropriate temperature of seal.
- Operator will test the 7-5/8" casing per BLM Onshore Order 2
- Wellhead Manufacturer representative will not be present for BOP test plug installation

4. Cement Program

Surface Casing: 9.625, 40 New BTC, J-55 casing to be set at +/- 545'

Lead: 80 sxs EconoCem-HLTRRC (mixed at 10.5 ppg, 1.87 ft3/sx, 10.13 gal/sx water)
Tail: 130 sxs Class C + 2% CaCl (mixed at 14.8 ppg, 1.35 ft3/sx, 6.39 gal/sx water)
Top of Cement: Surface
Compressives: 12-hr = 900 psi 24 hr = 1500 psi

2nd Intermediate Casing: 7.625, 29.7 New casing to be set at +/- 9307'
1st Stage
Optional Lead: 290 sxs Class C (mixed at 10.5 ppg, 2.77 ft3/sx, 15.59 gal/sx water)
TOC: Surface
Tail: 360 sxs Class C (mixed at 14.8 ppg, 1.35 ft3/sx, 6.39 gal/sx water)
TOC: Brushy Canyon @ 5349
Compressives: 12-hr = 900 psi 24 hr = 1150 psi

2nd Stage
Lead: 0 sxs Class C (mixed at 12.9 ppg, 2.16 ft3/sx, 9.61 gal/sx water)
Tail: 600 sxs Class C (mixed at 14.8 ppg, 1.33 ft3/sx, 6.39 gal/sx water)
Top of Cement: 0
Compressives: 12-hr = 900 psi 24 hr = 1150 psi

XTO requests to pump a two stage cement job on the 7-5/8" intermediate casing string with the first stage being pumped conventionally with the calculated top of cement at the Brush Canyon (5349') and the second stage performed as a bradenhead squeeze with planned cement from the Brushy Canyon to surface. If cement is not visually confirmed to circulate to surface, the final cement top after the second stage job will be verified by Echo-meter. If necessary, a top out consisting of 1,500 sack of Class C cement + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (2.30 yld, 12.91 ppg) will be executed as a contingency. If cement is still unable to circulate to surface, another Echo-meter run will be performed for cement top verification.

XTO will report to the BLM the volume of fluid (limited to 5 bbls) used to flush intermediate casing valves following backside cementing procedures.

XTO requests to pump an Optional Lead if well conditions dictate in an attempt to bring cement inside the first intermediate casing. If cement reaches the desired height, the BLM will be notified and the second stage bradenhead squeeze and subsequent TOC verification will be negated.

XTO requests the option to conduct the bradenhead squeeze and TOC verification offline as per standard approval from BLM when unplanned remediation is needed and batch drilling is approved. In the event the bradenhead is conducted, we will ensure the first stage cement job is cemented properly and the well is static with floats holding and no pressure on the csg annulus as with all other casing strings where batch drilling operations occur before moving off the rig. The TA cap will also be installed per Cactus procedure and pressure inside the casing will be monitored via the valve on the TA cap as per standard batch drilling ops.

Production Casing: 5.5, 20 New Semi-Flush, RY P-110 casing to be set at +/- 18198'

Lead: 20 sxs NeoCem (mixed at 11.5 ppg, 2.69 ft3/sx, 15.00 gal/sx water) Top of Cement: 9007 feet
Tail: 620 sxs VersaCem (mixed at 13.2 ppg, 1.51 ft3/sx, 8.38 gal/sx water) Top of Cement: 9507 feet
Compressives: 12-hr = 800 psi 24 hr = 1500 psi

XTO requests the option to offline cement and remediate (if needed) surface and intermediate casing strings where batch drilling is approved and if unplanned remediation is needed. XTO will ensure well is static with no pressure on the csg annulus, as with all other casing strings where batch drilling operations occur before moving off the rig. The TA cap will also be installed when applicable per Cactus procedure and pressure inside the casing will be monitored via the valve on the TA cap as per standard batch drilling ops. Offline cement operations will then be conducted after the rig is moved off the current well to the next well in the batch sequence.

5. Pressure Control Equipment

Once the permanent WH is installed on the 9.625 casing, the blow out preventer equipment (BOP) will consist of a 13-5/8" minimum 5M Hydril and a 13-5/8" minimum 10M Double Ram BOP. MASP should not exceed 3559 psi. In any instance where 10M BOP is required by BLM, XTO requests a variance to utilize 5M annular with 10M ram preventers (a common BOP configuration, which allows use of 10M rams in unlikely event that pressures exceed 5M).

All BOP testing will be done by an independent service company. Annular pressure tests will be limited to 50% of the rated working pressure. When nippling up on the 9.625, 10M bradenhead and flange, the BOP test will be limited to 10000 psi. When nippling up on the 7.625, the BOP will be tested to a minimum of 10000 psi. All BOP tests will include a low pressure test as per BLM regulations. The 10M BOP diagrams are attached. Blind rams will be functioned tested each trip, pipe rams will be functioned tested each week.

A variance is requested to allow use of a flex hose as the choke line from the BOP to the Choke Manifold. If this hose is used, a copy of the manufacturer's certification and pressure test chart will be kept on the rig. Attached is an example of a certification and pressure test chart. The manufacturer does not require anchors.

XTO requests a variance to be able to batch drill this well if necessary. In doing so, XTO will set casing and ensure that the well is cemented properly (unless approval is given for offline cementing) and the well is static. With floats holding, no pressure on the csg annulus, and the installation of a 10K TA cap as per Cactus recommendations, XTO will contact the BLM to skid the rig to drill the remaining wells on the pad. Once surface and both intermediate strings are all completed, XTO will begin drilling the production

hole on each of the wells.

A variance is requested to **ONLY** test broken pressure seals on the BOP equipment when moving from wellhead to wellhead which is in compliance with API Standard 53. API standard 53 states, that for pad drilling operation, moving from one wellhead to another within 21 days, pressure testing is required for pressure-containing and pressure-controlling connections when the integrity of a pressure seal is broken. Based on discussions with the BLM on February 27th 2020, we will request permission to **ONLY** retest broken pressure seals if the following conditions are met: 1. After a full BOP test is conducted on the first well on the pad 2. When skidding to drill an intermediate section that does not penetrate into the Wolfcamp.

6. Proposed Mud Circulation System

INTERVAL	Hole Size	Mud Type	MW (ppg)	Viscosity (sec/qt)	Fluid Loss (cc)
0' - 545'	12.25	FW/Native	8.5-9	35-40	NC
545' - 9307'	8.75	FW / Cut Brine / Direct Emulsion	9-9.5	30-32	NC
9307' - 18198'	6.75	OBM	11-11.5	50-60	NC - 20

The necessary mud products for weight addition and fluid loss control will be on location at all times.

Spud with fresh water/native mud. Drill out from under 9-5/8" surface casing with brine solution. A 9.7 ppg - 10.2 ppg cut brine mud will be used while drilling through the salt formation. Use fibrous materials as needed to control seepage and lost circulation. Pump viscous sweeps as needed for hole cleaning. Pump speed will be recorded on a daily drilling report after mudding up. A Pason or Totco will be used to detect changes in loss or gain of mud volume. A mud test will be performed every 24 hours to determine: density, viscosity, strength, filtration and pH as necessary. Use available solids controls equipment to help keep mud weight down after mud up. Rig up solids control equipment to operate as a closed loop system.

7. Auxiliary Well Control and Monitoring Equipment

A. A Kelly cock will be in the drill string at all times.
B. A full opening drill pipe stabbing valve having appropriate connections will be on the rig floor at all times.
C. H2S monitors will be on location when drilling below the 9.625 casing.

8. Logging, Coring and Testing Program

Open hole logging will not be done on this well.

9. Abnormal Pressures and Temperatures / Potential Hazards

None Anticipated. BHT of 165 to 185 F is anticipated. No H2S is expected but monitors will be in place to detect any H2S occurrences. Should these circumstances be encountered the operator and drilling contractor are prepared to take all necessary steps to ensure safety of all personnel and environment. Lost circulation could occur but is not expected to be a serious problem in this area and hole seepage will be compensated for by additions of small amounts of LCM in the drilling fluid. The maximum anticipated bottom hole pressure for this well is 5784 psi.

10. Anticipated Starting Date and Duration of Operations

Anticipated spud date will be after BLM approval. Move in operations and drilling is expected to take 40 days.

Well Plan Report - Corral 17-8 Fed Com 121H

Measured Depth:	18198.23 ft
TVD RKB:	10112.00 ft
Location	
Cartographic Reference System:	New Mexico East - NAD 27
Northing:	409006.10 ft
Easting:	599345.00 ft
RKB:	2980.00 ft
Ground Level:	2947.00 ft
North Reference:	Grid
Convergence Angle:	0.17 Deg

Plan Sections Corral 17-8 Fed Com 121H

Measured Depth (ft)	Inclination (Deg)	Azimuth (Deg)	TVD RKB (ft)	Y Offset (ft)	X Offset (ft)	Build Rate (Deg/100ft)	Turn Rate (Deg/100ft)	Dogleg Rate (Deg/100ft)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1100.00	0.00	0.00	1100.00	0.00	0.00	0.00	0.00	0.00	
1843.99	14.88	202.75	1835.66	-88.59	-37.15	2.00	0.00	2.00	
4667.35	14.88	202.75	4564.34	-757.19	-317.56	0.00	0.00	0.00	
5411.35	0.00	0.00	5300.00	-845.78	-354.72	-2.00	0.00	2.00	
9507.15	0.00	0.00	9395.80	-845.78	-354.72	0.00	0.00	0.00	
10632.15	90.00	359.62	10112.00	-129.60	-359.50	8.00	0.00	8.00	121H FTP
18148.42	90.00	359.62	10112.00	7386.50	-409.70	0.00	0.00	0.00	121H LTP
18198.23	90.00	359.62	10112.00	7436.31	-410.03	0.00	0.00	0.00	121H BHL

Position Uncertainty Corral 17-8 Fed Com 121H

Measured	TVD	Highside	Lateral	Vertical	Magnitude	Semi-major	Semi-minor	Semi-minor	Tool

Depth (ft)	Inclination (°)	Azimuth (°)	RKB (ft)	Error (ft)	Bias (ft)	Error (ft)	Bias (ft)	Error (ft)	Bias (ft)	of Bias (ft)	Error (ft)	Error (ft)	Azimuth (°)	Used
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	MWD+IFR1+MS
100.000	0.000	0.000	100.000	0.700	0.000	0.350	0.000	2.300	0.000	0.000	0.751	0.220	112.264	MWD+IFR1+MS
200.000	0.000	0.000	200.000	1.112	0.000	0.861	0.000	2.309	0.000	0.000	1.259	0.627	122.711	MWD+IFR1+MS
300.000	0.000	0.000	300.000	1.497	0.000	1.271	0.000	2.324	0.000	0.000	1.698	0.986	125.469	MWD+IFR1+MS
400.000	0.000	0.000	400.000	1.871	0.000	1.658	0.000	2.345	0.000	0.000	2.108	1.344	126.713	MWD+IFR1+MS
500.000	0.000	0.000	500.000	2.240	0.000	2.034	0.000	2.371	0.000	0.000	2.503	1.701	127.419	MWD+IFR1+MS
600.000	0.000	0.000	600.000	2.607	0.000	2.405	0.000	2.403	0.000	0.000	2.888	2.059	127.873	MWD+IFR1+MS
700.000	0.000	0.000	700.000	2.971	0.000	2.773	0.000	2.439	0.000	0.000	3.267	2.417	128.190	MWD+IFR1+MS
800.000	0.000	0.000	800.000	3.334	0.000	3.138	0.000	2.479	0.000	0.000	3.642	2.775	128.423	MWD+IFR1+MS
900.000	0.000	0.000	900.000	3.696	0.000	3.502	0.000	2.524	0.000	0.000	4.014	3.133	128.602	MWD+IFR1+MS
1000.000	0.000	0.000	1000.000	4.058	0.000	3.865	0.000	2.573	0.000	0.000	4.384	3.491	128.744	MWD+IFR1+MS
1100.000	0.000	0.000	1100.000	4.419	0.000	4.228	0.000	2.625	0.000	0.000	4.752	3.849	128.859	MWD+IFR1+MS
1200.000	2.000	202.753	1199.980	5.035	-0.000	4.258	0.000	2.680	0.000	0.000	5.094	4.189	127.999	MWD+IFR1+MS
1300.000	4.000	202.753	1299.838	5.796	-0.000	4.616	0.000	2.740	0.000	0.000	5.884	4.516	127.411	MWD+IFR1+MS
1400.000	6.000	202.753	1399.452	6.482	-0.000	4.973	0.000	2.804	0.000	0.000	6.596	4.847	127.163	MWD+IFR1+MS
1500.000	8.000	202.753	1498.702	7.112	-0.000	5.332	0.000	2.877	0.000	0.000	7.255	5.183	127.036	MWD+IFR1+MS
1600.000	10.000	202.753	1597.465	7.699	-0.000	5.694	0.000	2.959	0.000	0.000	7.872	5.525	126.976	MWD+IFR1+MS
1700.000	12.000	202.753	1695.623	8.251	-0.000	6.059	0.000	3.053	0.000	0.000	8.455	5.872	126.960	MWD+IFR1+MS
1800.000	14.000	202.753	1793.055	8.775	-0.000	6.430	0.000	3.161	0.000	0.000	9.012	6.227	126.981	MWD+IFR1+MS
1843.993	14.880	202.753	1835.658	8.894	-0.000	6.584	0.000	3.192	0.000	0.000	9.150	6.385	126.962	MWD+IFR1+MS
1900.000	14.880	202.753	1889.787	9.044	-0.000	6.783	0.000	3.236	0.000	0.000	9.296	6.588	126.993	MWD+IFR1+MS
2000.000	14.880	202.753	1986.434	9.318	-0.000	7.156	0.000	3.323	0.000	0.000	9.562	6.965	127.267	MWD+IFR1+MS
2100.000	14.880	202.753	2083.080	9.608	-0.000	7.543	0.000	3.416	0.000	0.000	9.847	7.350	127.726	MWD+IFR1+MS
2200.000	14.880	202.753	2179.727	9.906	-0.000	7.934	0.000	3.513	0.000	0.000	10.139	7.739	128.208	MWD+IFR1+MS
2300.000	14.880	202.753	2276.373	10.211	-0.000	8.327	0.000	3.613	0.000	0.000	10.439	8.130	128.712	MWD+IFR1+MS
2400.000	14.880	202.753	2373.020	10.523	-0.000	8.724	0.000	3.717	0.000	0.000	10.745	8.524	129.242	MWD+IFR1+MS
2500.000	14.880	202.753	2469.667	10.841	-0.000	9.122	0.000	3.823	0.000	0.000	11.056	8.919	129.797	MWD+IFR1+MS
2600.000	14.880	202.753	2566.313	11.164	-0.000	9.523	0.000	3.932	0.000	0.000	11.374	9.316	130.380	MWD+IFR1+MS
2700.000	14.880	202.753	2662.960	11.492	-0.000	9.925	0.000	4.044	0.000	0.000	11.696	9.714	130.990	MWD+IFR1+MS
2800.000	14.880	202.753	2759.607	11.825	-0.000	10.329	0.000	4.159	0.000	0.000	12.023	10.113	131.631	MWD+IFR1+MS
2900.000	14.880	202.753	2856.253	12.162	-0.000	10.735	0.000	4.276	0.000	0.000	12.355	10.513	132.302	MWD+IFR1+MS

3000.000	14.880	202.753	2952.900	12.502	-0.000	11.141	0.000	4.395	0.000	0.000	12.690	10.913	133.006	MWD+IFR1+MS
3100.000	14.880	202.753	3049.547	12.847	-0.000	11.549	0.000	4.517	0.000	0.000	13.030	11.314	133.743	MWD+IFR1+MS
3200.000	14.880	202.753	3146.193	13.194	-0.000	11.957	0.000	4.640	0.000	0.000	13.373	11.716	134.514	MWD+IFR1+MS
3300.000	14.880	202.753	3242.840	13.545	-0.000	12.366	0.000	4.766	0.000	0.000	13.720	12.117	-44.678	MWD+IFR1+MS
3400.000	14.880	202.753	3339.486	13.898	-0.000	12.777	0.000	4.894	0.000	0.000	14.070	12.519	-43.834	MWD+IFR1+MS
3500.000	14.880	202.753	3436.133	14.254	-0.000	13.188	0.000	5.023	0.000	0.000	14.423	12.921	-42.953	MWD+IFR1+MS
3600.000	14.880	202.753	3532.780	14.612	-0.000	13.599	0.000	5.154	0.000	0.000	14.779	13.324	-42.033	MWD+IFR1+MS
3700.000	14.880	202.753	3629.426	14.973	-0.000	14.011	0.000	5.287	0.000	0.000	15.137	13.726	-41.076	MWD+IFR1+MS
3800.000	14.880	202.753	3726.073	15.336	-0.000	14.424	0.000	5.422	0.000	0.000	15.499	14.127	-40.080	MWD+IFR1+MS
3900.000	14.880	202.753	3822.720	15.700	-0.000	14.837	0.000	5.559	0.000	0.000	15.863	14.529	-39.046	MWD+IFR1+MS
4000.000	14.880	202.753	3919.366	16.067	-0.000	15.251	0.000	5.697	0.000	0.000	16.230	14.930	-37.975	MWD+IFR1+MS
4100.000	14.880	202.753	4016.013	16.435	-0.000	15.665	0.000	5.837	0.000	0.000	16.599	15.331	-36.868	MWD+IFR1+MS
4200.000	14.880	202.753	4112.660	16.804	-0.000	16.080	0.000	5.979	0.000	0.000	16.970	15.732	-35.728	MWD+IFR1+MS
4300.000	14.880	202.753	4209.306	17.175	-0.000	16.494	0.000	6.122	0.000	0.000	17.344	16.131	-34.556	MWD+IFR1+MS
4400.000	14.880	202.753	4305.953	17.548	-0.000	16.910	0.000	6.267	0.000	0.000	17.720	16.531	-33.356	MWD+IFR1+MS
4500.000	14.880	202.753	4402.600	17.922	-0.000	17.325	0.000	6.413	0.000	0.000	18.098	16.930	-32.131	MWD+IFR1+MS
4600.000	14.880	202.753	4499.246	18.296	-0.000	17.741	0.000	6.561	0.000	0.000	18.478	17.328	-30.884	MWD+IFR1+MS
4667.354	14.880	202.753	4564.342	18.546	-0.000	18.017	0.000	6.662	0.000	0.000	18.729	17.595	-30.092	MWD+IFR1+MS
4700.000	14.227	202.753	4595.940	18.680	-0.000	18.149	0.000	6.711	0.000	0.000	18.849	17.724	-29.735	MWD+IFR1+MS
4800.000	12.227	202.753	4693.282	19.133	-0.000	18.552	0.000	6.867	0.000	0.000	19.263	18.124	-29.877	MWD+IFR1+MS
4900.000	10.227	202.753	4791.363	19.634	-0.000	18.949	0.000	7.026	0.000	0.000	19.738	18.527	-31.497	MWD+IFR1+MS
5000.000	8.227	202.753	4890.064	20.100	-0.000	19.336	0.000	7.174	0.000	0.000	20.205	18.919	-33.002	MWD+IFR1+MS
5100.000	6.227	202.753	4989.265	20.531	-0.000	19.711	0.000	7.311	0.000	0.000	20.663	19.299	-34.393	MWD+IFR1+MS
5200.000	4.227	202.753	5088.844	20.928	-0.000	20.074	0.000	7.441	0.000	0.000	21.112	19.668	-35.671	MWD+IFR1+MS
5300.000	2.227	202.753	5188.680	21.290	-0.000	20.427	0.000	7.564	0.000	0.000	21.551	20.024	-36.839	MWD+IFR1+MS
5400.000	0.227	202.753	5288.652	21.617	-0.000	20.767	0.000	7.682	0.000	0.000	21.980	20.369	-37.901	MWD+IFR1+MS
5411.348	0.000	0.000	5300.000	21.026	0.000	21.420	0.000	7.695	0.000	0.000	22.013	20.405	-37.898	MWD+IFR1+MS
5500.000	0.000	0.000	5388.652	21.291	0.000	21.674	0.000	7.798	0.000	0.000	22.262	20.675	-38.027	MWD+IFR1+MS
5600.000	0.000	0.000	5488.652	21.596	0.000	21.967	0.000	7.916	0.000	0.000	22.555	20.981	-38.191	MWD+IFR1+MS
5700.000	0.000	0.000	5588.652	21.904	0.000	22.262	0.000	8.037	0.000	0.000	22.851	21.289	-38.361	MWD+IFR1+MS
5800.000	0.000	0.000	5688.652	22.213	0.000	22.560	0.000	8.160	0.000	0.000	23.150	21.598	-38.529	MWD+IFR1+MS
5900.000	0.000	0.000	5788.652	22.523	0.000	22.860	0.000	8.286	0.000	0.000	23.449	21.909	-38.694	MWD+IFR1+MS
6000.000	0.000	0.000	5888.652	22.835	0.000	23.161	0.000	8.414	0.000	0.000	23.751	22.221	-38.857	MWD+IFR1+MS

6100.000	0.000	0.000	5988.652	23.149	0.000	23.463	0.000	8.545	0.000	0.000	24.054	22.534	-39.018	MWD+IFR1+MS
6200.000	0.000	0.000	6088.652	23.463	0.000	23.768	0.000	8.679	0.000	0.000	24.359	22.849	-39.177	MWD+IFR1+MS
6300.000	0.000	0.000	6188.652	23.779	0.000	24.073	0.000	8.816	0.000	0.000	24.665	23.165	-39.334	MWD+IFR1+MS
6400.000	0.000	0.000	6288.652	24.096	0.000	24.381	0.000	8.955	0.000	0.000	24.972	23.482	-39.489	MWD+IFR1+MS
6500.000	0.000	0.000	6388.652	24.414	0.000	24.689	0.000	9.097	0.000	0.000	25.281	23.800	-39.642	MWD+IFR1+MS
6600.000	0.000	0.000	6488.652	24.733	0.000	24.999	0.000	9.241	0.000	0.000	25.591	24.120	-39.793	MWD+IFR1+MS
6700.000	0.000	0.000	6588.652	25.054	0.000	25.310	0.000	9.388	0.000	0.000	25.903	24.440	-39.942	MWD+IFR1+MS
6800.000	0.000	0.000	6688.652	25.375	0.000	25.623	0.000	9.539	0.000	0.000	26.216	24.762	-40.089	MWD+IFR1+MS
6900.000	0.000	0.000	6788.652	25.697	0.000	25.936	0.000	9.692	0.000	0.000	26.529	25.084	-40.234	MWD+IFR1+MS
7000.000	0.000	0.000	6888.652	26.020	0.000	26.251	0.000	9.847	0.000	0.000	26.844	25.408	-40.377	MWD+IFR1+MS
7100.000	0.000	0.000	6988.652	26.345	0.000	26.567	0.000	10.006	0.000	0.000	27.161	25.732	-40.519	MWD+IFR1+MS
7200.000	0.000	0.000	7088.652	26.670	0.000	26.884	0.000	10.167	0.000	0.000	27.478	26.058	-40.658	MWD+IFR1+MS
7300.000	0.000	0.000	7188.652	26.996	0.000	27.202	0.000	10.332	0.000	0.000	27.796	26.384	-40.796	MWD+IFR1+MS
7400.000	0.000	0.000	7288.652	27.322	0.000	27.521	0.000	10.499	0.000	0.000	28.115	26.711	-40.932	MWD+IFR1+MS
7500.000	0.000	0.000	7388.652	27.650	0.000	27.841	0.000	10.669	0.000	0.000	28.435	27.038	-41.067	MWD+IFR1+MS
7600.000	0.000	0.000	7488.652	27.978	0.000	28.162	0.000	10.842	0.000	0.000	28.756	27.367	-41.200	MWD+IFR1+MS
7700.000	0.000	0.000	7588.652	28.307	0.000	28.483	0.000	11.018	0.000	0.000	29.078	27.696	-41.331	MWD+IFR1+MS
7800.000	0.000	0.000	7688.652	28.637	0.000	28.806	0.000	11.197	0.000	0.000	29.401	28.026	-41.460	MWD+IFR1+MS
7900.000	0.000	0.000	7788.652	28.967	0.000	29.130	0.000	11.379	0.000	0.000	29.724	28.356	-41.588	MWD+IFR1+MS
8000.000	0.000	0.000	7888.652	29.298	0.000	29.454	0.000	11.564	0.000	0.000	30.049	28.687	-41.714	MWD+IFR1+MS
8100.000	0.000	0.000	7988.652	29.630	0.000	29.779	0.000	11.752	0.000	0.000	30.374	29.019	-41.839	MWD+IFR1+MS
8200.000	0.000	0.000	8088.652	29.962	0.000	30.105	0.000	11.943	0.000	0.000	30.700	29.352	-41.962	MWD+IFR1+MS
8300.000	0.000	0.000	8188.652	30.295	0.000	30.431	0.000	12.137	0.000	0.000	31.027	29.685	-42.084	MWD+IFR1+MS
8400.000	0.000	0.000	8288.652	30.628	0.000	30.759	0.000	12.334	0.000	0.000	31.354	30.018	-42.204	MWD+IFR1+MS
8500.000	0.000	0.000	8388.652	30.962	0.000	31.086	0.000	12.534	0.000	0.000	31.682	30.353	-42.323	MWD+IFR1+MS
8600.000	0.000	0.000	8488.652	31.297	0.000	31.415	0.000	12.737	0.000	0.000	32.011	30.687	-42.440	MWD+IFR1+MS
8700.000	0.000	0.000	8588.652	31.632	0.000	31.744	0.000	12.943	0.000	0.000	32.340	31.023	-42.556	MWD+IFR1+MS
8800.000	0.000	0.000	8688.652	31.968	0.000	32.074	0.000	13.152	0.000	0.000	32.670	31.358	-42.670	MWD+IFR1+MS
8900.000	0.000	0.000	8788.652	32.304	0.000	32.405	0.000	13.364	0.000	0.000	33.001	31.695	-42.783	MWD+IFR1+MS
9000.000	0.000	0.000	8888.652	32.640	0.000	32.736	0.000	13.579	0.000	0.000	33.332	32.031	-42.895	MWD+IFR1+MS
9100.000	0.000	0.000	8988.652	32.977	0.000	33.067	0.000	13.797	0.000	0.000	33.664	32.368	-43.005	MWD+IFR1+MS
9200.000	0.000	0.000	9088.652	33.315	0.000	33.400	0.000	14.019	0.000	0.000	33.996	32.706	-43.115	MWD+IFR1+MS
9300.000	0.000	0.000	9188.652	33.653	0.000	33.732	0.000	14.243	0.000	0.000	34.329	33.044	-43.222	MWD+IFR1+MS

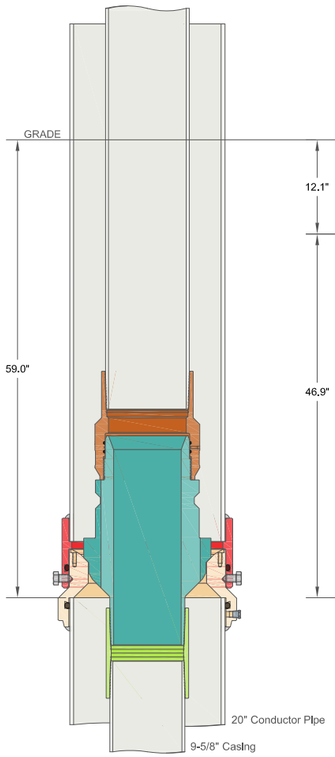
9400.000	0.000	0.000	9288.652	33.991	0.000	34.066	0.000	14.471	0.000	0.000	34.662	33.383	-43.329	MWD+IFR1+MS
9507.150	0.000	0.000	9395.803	34.355	0.000	34.424	0.000	14.718	0.000	0.000	35.022	33.746	-43.443	MWD+IFR1+MS
9600.000	7.428	359.617	9488.393	34.316	0.000	34.737	0.000	14.939	0.000	0.000	35.483	34.151	130.895	MWD+IFR1+MS
9700.000	15.428	359.617	9586.330	34.628	0.000	35.049	0.000	15.261	0.000	0.000	36.600	34.718	114.141	MWD+IFR1+MS
9800.000	23.428	359.617	9680.560	34.504	0.000	35.343	0.000	15.768	0.000	0.000	37.798	35.100	106.767	MWD+IFR1+MS
9900.000	31.428	359.617	9769.247	33.919	0.000	35.615	0.000	16.517	0.000	0.000	38.857	35.407	103.502	MWD+IFR1+MS
10000.000	39.428	359.617	9850.665	32.961	0.000	35.863	0.000	17.536	0.000	0.000	39.733	35.671	101.866	MWD+IFR1+MS
10100.000	47.428	359.617	9923.230	31.745	0.000	36.088	0.000	18.814	0.000	0.000	40.416	35.901	101.033	MWD+IFR1+MS
10200.000	55.428	359.617	9985.529	30.418	0.000	36.289	0.000	20.312	0.000	0.000	40.912	36.101	100.672	MWD+IFR1+MS
10300.000	63.428	359.617	10036.350	29.157	0.000	36.467	0.000	21.976	0.000	0.000	41.238	36.274	100.621	MWD+IFR1+MS
10400.000	71.428	359.617	10074.703	28.162	0.000	36.621	0.000	23.741	0.000	0.000	41.425	36.421	100.784	MWD+IFR1+MS
10500.000	79.428	359.617	10099.843	27.630	0.000	36.753	0.000	25.545	0.000	0.000	41.509	36.544	101.077	MWD+IFR1+MS
10600.000	87.428	359.617	10111.279	27.715	0.000	36.861	0.000	27.328	0.000	0.000	41.532	36.644	101.404	MWD+IFR1+MS
10632.150	90.000	359.617	10112.000	27.455	0.000	36.888	0.000	27.455	0.000	0.000	41.535	36.669	101.484	MWD+IFR1+MS
10700.000	90.000	359.617	10112.000	27.603	0.000	36.949	0.000	27.603	0.000	0.000	41.541	36.725	101.671	MWD+IFR1+MS
10800.000	90.000	359.617	10112.000	27.808	0.000	37.060	0.000	27.808	0.000	0.000	41.551	36.829	102.005	MWD+IFR1+MS
10900.000	90.000	359.617	10112.000	28.035	0.000	37.193	0.000	28.035	0.000	0.000	41.562	36.954	102.406	MWD+IFR1+MS
11000.000	90.000	359.617	10112.000	28.282	0.000	37.347	0.000	28.282	0.000	0.000	41.576	37.098	102.881	MWD+IFR1+MS
11100.000	90.000	359.617	10112.000	28.548	0.000	37.521	0.000	28.548	0.000	0.000	41.592	37.260	103.440	MWD+IFR1+MS
11200.000	90.000	359.617	10112.000	28.834	0.000	37.714	0.000	28.834	0.000	0.000	41.610	37.440	104.098	MWD+IFR1+MS
11300.000	90.000	359.617	10112.000	29.137	0.000	37.927	0.000	29.137	0.000	0.000	41.631	37.637	104.873	MWD+IFR1+MS
11400.000	90.000	359.617	10112.000	29.459	0.000	38.159	0.000	29.459	0.000	0.000	41.656	37.851	105.790	MWD+IFR1+MS
11500.000	90.000	359.617	10112.000	29.797	0.000	38.410	0.000	29.797	0.000	0.000	41.685	38.079	106.880	MWD+IFR1+MS
11600.000	90.000	359.617	10112.000	30.153	0.000	38.680	0.000	30.153	0.000	0.000	41.719	38.322	108.182	MWD+IFR1+MS
11700.000	90.000	359.617	10112.000	30.524	0.000	38.967	0.000	30.524	0.000	0.000	41.760	38.576	109.749	MWD+IFR1+MS
11800.000	90.000	359.617	10112.000	30.911	0.000	39.272	0.000	30.911	0.000	0.000	41.808	38.841	111.646	MWD+IFR1+MS
11900.000	90.000	359.617	10112.000	31.313	0.000	39.594	0.000	31.313	0.000	0.000	41.868	39.113	113.955	MWD+IFR1+MS
12000.000	90.000	359.617	10112.000	31.729	0.000	39.933	0.000	31.729	0.000	0.000	41.942	39.388	116.773	MWD+IFR1+MS
12100.000	90.000	359.617	10112.000	32.158	0.000	40.289	0.000	32.158	0.000	0.000	42.034	39.661	120.200	MWD+IFR1+MS
12200.000	90.000	359.617	10112.000	32.601	0.000	40.660	0.000	32.601	0.000	0.000	42.151	39.926	124.308	MWD+IFR1+MS
12300.000	90.000	359.617	10112.000	33.057	0.000	41.047	0.000	33.057	0.000	0.000	42.301	40.175	129.085	MWD+IFR1+MS
12400.000	90.000	359.617	10112.000	33.525	0.000	41.449	0.000	33.525	0.000	0.000	42.490	40.400	134.373	MWD+IFR1+MS
12500.000	90.000	359.617	10112.000	34.005	0.000	41.866	0.000	34.005	0.000	0.000	42.724	40.596	-40.151	MWD+IFR1+MS

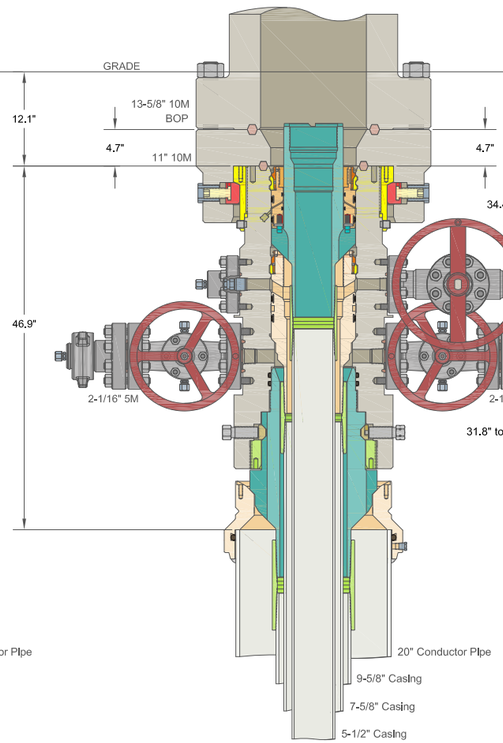
12600.000	90.000	359.617	10112.000	34.495	0.000	42.297	0.000	34.495	0.000	0.000	43.004	40.760	-34.880	MWD+IFR1+MS
12700.000	90.000	359.617	10112.000	34.997	0.000	42.742	0.000	34.997	0.000	0.000	43.328	40.894	-30.130	MWD+IFR1+MS
12800.000	90.000	359.617	10112.000	35.509	0.000	43.200	0.000	35.509	0.000	0.000	43.691	41.003	-26.049	MWD+IFR1+MS
12900.000	90.000	359.617	10112.000	36.030	0.000	43.671	0.000	36.030	0.000	0.000	44.088	41.093	-22.641	MWD+IFR1+MS
13000.000	90.000	359.617	10112.000	36.561	0.000	44.154	0.000	36.561	0.000	0.000	44.513	41.167	-19.832	MWD+IFR1+MS
13100.000	90.000	359.617	10112.000	37.101	0.000	44.650	0.000	37.101	0.000	0.000	44.962	41.230	-17.521	MWD+IFR1+MS
13200.000	90.000	359.617	10112.000	37.650	0.000	45.158	0.000	37.650	0.000	0.000	45.432	41.285	-15.611	MWD+IFR1+MS
13300.000	90.000	359.617	10112.000	38.207	0.000	45.677	0.000	38.207	0.000	0.000	45.919	41.333	-14.022	MWD+IFR1+MS
13400.000	90.000	359.617	10112.000	38.771	0.000	46.206	0.000	38.771	0.000	0.000	46.424	41.377	-12.689	MWD+IFR1+MS
13500.000	90.000	359.617	10112.000	39.344	0.000	46.747	0.000	39.344	0.000	0.000	46.942	41.417	-11.559	MWD+IFR1+MS
13600.000	90.000	359.617	10112.000	39.923	0.000	47.297	0.000	39.923	0.000	0.000	47.475	41.454	-10.593	MWD+IFR1+MS
13700.000	90.000	359.617	10112.000	40.510	0.000	47.858	0.000	40.510	0.000	0.000	48.020	41.489	-9.761	MWD+IFR1+MS
13800.000	90.000	359.617	10112.000	41.103	0.000	48.428	0.000	41.103	0.000	0.000	48.576	41.523	-9.038	MWD+IFR1+MS
13900.000	90.000	359.617	10112.000	41.702	0.000	49.007	0.000	41.702	0.000	0.000	49.143	41.556	-8.406	MWD+IFR1+MS
14000.000	90.000	359.617	10112.000	42.307	0.000	49.595	0.000	42.307	0.000	0.000	49.721	41.588	-7.848	MWD+IFR1+MS
14100.000	90.000	359.617	10112.000	42.919	0.000	50.191	0.000	42.919	0.000	0.000	50.309	41.619	-7.354	MWD+IFR1+MS
14200.000	90.000	359.617	10112.000	43.536	0.000	50.796	0.000	43.536	0.000	0.000	50.905	41.649	-6.914	MWD+IFR1+MS
14300.000	90.000	359.617	10112.000	44.158	0.000	51.409	0.000	44.158	0.000	0.000	51.511	41.680	-6.519	MWD+IFR1+MS
14400.000	90.000	359.617	10112.000	44.785	0.000	52.030	0.000	44.785	0.000	0.000	52.125	41.710	-6.164	MWD+IFR1+MS
14500.000	90.000	359.617	10112.000	45.417	0.000	52.658	0.000	45.417	0.000	0.000	52.747	41.740	-5.843	MWD+IFR1+MS
14600.000	90.000	359.617	10112.000	46.054	0.000	53.293	0.000	46.054	0.000	0.000	53.377	41.770	-5.551	MWD+IFR1+MS
14700.000	90.000	359.617	10112.000	46.695	0.000	53.935	0.000	46.695	0.000	0.000	54.014	41.801	-5.286	MWD+IFR1+MS
14800.000	90.000	359.617	10112.000	47.341	0.000	54.583	0.000	47.341	0.000	0.000	54.658	41.831	-5.042	MWD+IFR1+MS
14900.000	90.000	359.617	10112.000	47.991	0.000	55.238	0.000	47.991	0.000	0.000	55.309	41.862	-4.819	MWD+IFR1+MS
15000.000	90.000	359.617	10112.000	48.645	0.000	55.900	0.000	48.645	0.000	0.000	55.967	41.893	-4.614	MWD+IFR1+MS
15100.000	90.000	359.617	10112.000	49.302	0.000	56.567	0.000	49.302	0.000	0.000	56.630	41.924	-4.425	MWD+IFR1+MS
15200.000	90.000	359.617	10112.000	49.964	0.000	57.240	0.000	49.964	0.000	0.000	57.300	41.955	-4.250	MWD+IFR1+MS
15300.000	90.000	359.617	10112.000	50.628	0.000	57.918	0.000	50.628	0.000	0.000	57.976	41.987	-4.087	MWD+IFR1+MS
15400.000	90.000	359.617	10112.000	51.297	0.000	58.602	0.000	51.297	0.000	0.000	58.657	42.019	-3.936	MWD+IFR1+MS
15500.000	90.000	359.617	10112.000	51.968	0.000	59.291	0.000	51.968	0.000	0.000	59.344	42.051	-3.795	MWD+IFR1+MS
15600.000	90.000	359.617	10112.000	52.643	0.000	59.985	0.000	52.643	0.000	0.000	60.036	42.084	-3.664	MWD+IFR1+MS
15700.000	90.000	359.617	10112.000	53.320	0.000	60.684	0.000	53.320	0.000	0.000	60.732	42.117	-3.541	MWD+IFR1+MS
15800.000	90.000	359.617	10112.000	54.001	0.000	61.388	0.000	54.001	0.000	0.000	61.434	42.151	-3.426	MWD+IFR1+MS

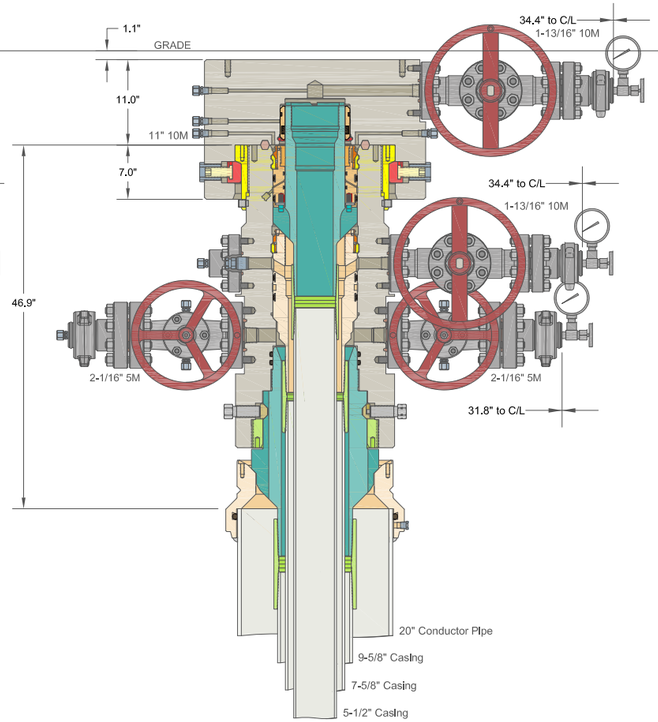
15900.000	90.000	359.617	10112.000	54.684	0.000	62.096	0.000	54.684	0.000	0.000	62.140	42.185	-3.317	MWD+IFR1+MS
16000.000	90.000	359.617	10112.000	55.370	0.000	62.809	0.000	55.370	0.000	0.000	62.851	42.219	-3.216	MWD+IFR1+MS
16100.000	90.000	359.617	10112.000	56.059	0.000	63.526	0.000	56.059	0.000	0.000	63.566	42.254	-3.120	MWD+IFR1+MS
16200.000	90.000	359.617	10112.000	56.750	0.000	64.246	0.000	56.750	0.000	0.000	64.285	42.290	-3.030	MWD+IFR1+MS
16300.000	90.000	359.617	10112.000	57.443	0.000	64.971	0.000	57.443	0.000	0.000	65.009	42.326	-2.945	MWD+IFR1+MS
16400.000	90.000	359.617	10112.000	58.139	0.000	65.700	0.000	58.139	0.000	0.000	65.736	42.362	-2.864	MWD+IFR1+MS
16500.000	90.000	359.617	10112.000	58.837	0.000	66.432	0.000	58.837	0.000	0.000	66.467	42.399	-2.788	MWD+IFR1+MS
16600.000	90.000	359.617	10112.000	59.537	0.000	67.168	0.000	59.537	0.000	0.000	67.201	42.436	-2.715	MWD+IFR1+MS
16700.000	90.000	359.617	10112.000	60.240	0.000	67.907	0.000	60.240	0.000	0.000	67.939	42.474	-2.647	MWD+IFR1+MS
16800.000	90.000	359.617	10112.000	60.944	0.000	68.649	0.000	60.944	0.000	0.000	68.681	42.512	-2.581	MWD+IFR1+MS
16900.000	90.000	359.617	10112.000	61.650	0.000	69.395	0.000	61.650	0.000	0.000	69.425	42.550	-2.519	MWD+IFR1+MS
17000.000	90.000	359.617	10112.000	62.358	0.000	70.144	0.000	62.358	0.000	0.000	70.173	42.589	-2.460	MWD+IFR1+MS
17100.000	90.000	359.617	10112.000	63.068	0.000	70.896	0.000	63.068	0.000	0.000	70.924	42.629	-2.404	MWD+IFR1+MS
17200.000	90.000	359.617	10112.000	63.780	0.000	71.651	0.000	63.780	0.000	0.000	71.678	42.669	-2.350	MWD+IFR1+MS
17300.000	90.000	359.617	10112.000	64.494	0.000	72.409	0.000	64.494	0.000	0.000	72.435	42.710	-2.299	MWD+IFR1+MS
17400.000	90.000	359.617	10112.000	65.209	0.000	73.169	0.000	65.209	0.000	0.000	73.195	42.751	-2.250	MWD+IFR1+MS
17500.000	90.000	359.617	10112.000	65.925	0.000	73.932	0.000	65.925	0.000	0.000	73.957	42.792	-2.203	MWD+IFR1+MS
17600.000	90.000	359.617	10112.000	66.643	0.000	74.698	0.000	66.643	0.000	0.000	74.722	42.834	-2.158	MWD+IFR1+MS
17700.000	90.000	359.617	10112.000	67.363	0.000	75.466	0.000	67.363	0.000	0.000	75.490	42.877	-2.115	MWD+IFR1+MS
17800.000	90.000	359.617	10112.000	68.084	0.000	76.237	0.000	68.084	0.000	0.000	76.260	42.920	-2.074	MWD+IFR1+MS
17900.000	90.000	359.617	10112.000	68.807	0.000	77.010	0.000	68.807	0.000	0.000	77.032	42.964	-2.034	MWD+IFR1+MS
18000.000	90.000	359.617	10112.000	69.531	0.000	77.785	0.000	69.531	0.000	0.000	77.807	43.008	-1.996	MWD+IFR1+MS
18100.000	90.000	359.617	10112.000	70.256	0.000	78.563	0.000	70.256	0.000	0.000	78.584	43.052	-1.960	MWD+IFR1+MS
18148.418	90.000	359.617	10112.000	70.606	0.000	78.939	0.000	70.606	0.000	0.000	78.959	43.074	-1.943	MWD+IFR1+MS
18198.229	90.000	359.617	10112.000	70.967	0.000	79.325	0.000	70.967	0.000	0.000	79.346	43.096	-1.926	MWD+IFR1+MS

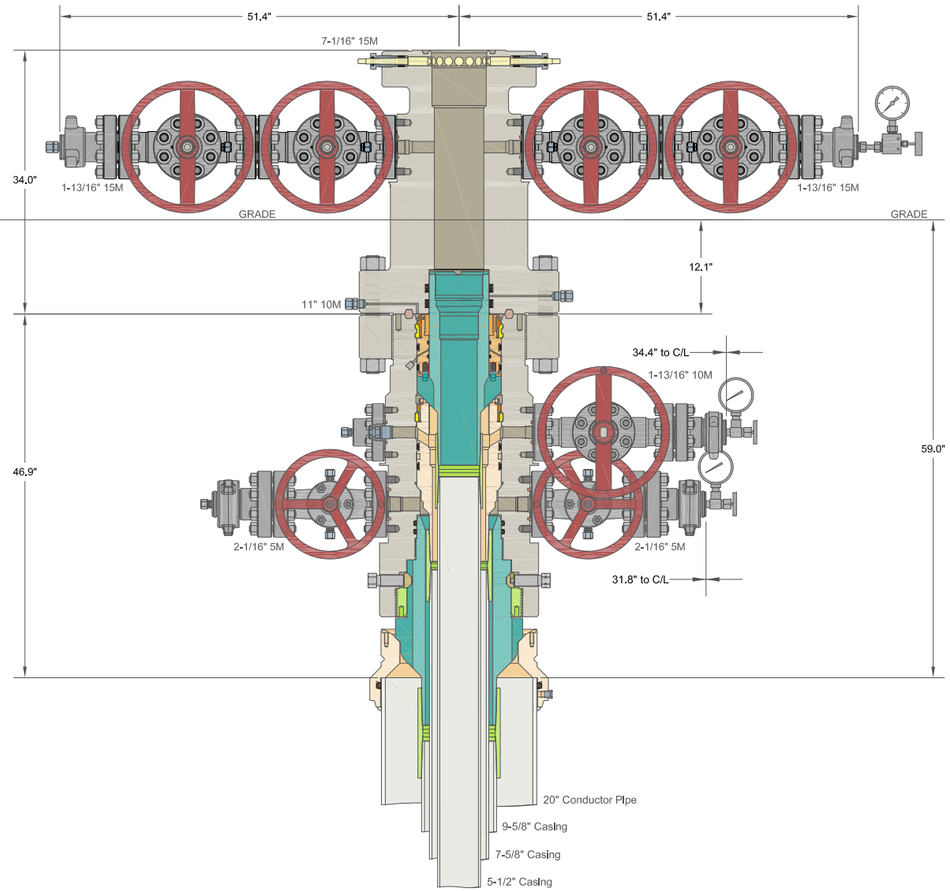
Plan Targets Corral 17-8 Fed Com 121H

Target Name	Measured Depth (ft)	Grid Northing (ft)	Grid Easting (ft)	TVD MSL (ft)	Target Shape
121H FTP	10632.15	408876.50	598985.50	7132.00	CIRCLE
121H LTP	18148.42	416392.60	598935.30	7132.00	CIRCLE
121H BHL	18198.46	416442.60	598935.10	7132.00	CIRCLE









ALL DIMENSIONS APPROXIMATE

CACTUS WELLHEAD LLC

XTO ENERGY INC
DELAWARE BASIN

20" x 9-5/8" x 7-5/8" x 5-1/2" MBU-T-CFL-R-DBLO Wellhead
With 11" 10M x 7-1/16" 15M CTH-DBLHPS Tubing Head
And 9-5/8", 7-5/8" & 5-1/2" Pin Bottom Mandrel Casing Hangers

DRAWN	VJK	31MAR22
APPRV		

DRAWING NO. HBE0000479

Subject: Request for a Variance Allowing break Testing of the Blowout Preventer Equipment (BOPE)

XTO Energy requests a variance to ONLY test broken pressure seals on the BOPE and function test BOP when skidding a drilling rig between multiple wells on a pad.

Background

Onshore Oil and Gas Order CFR Title 43 Part 3170, Drilling Operations, Sections III.A.2.i.iv.B states that the BOP test must be performed whenever any seal subject to test pressure is broken. The current interpretation of the Bureau of Land Management (BLM) requires a complete BOP test and not just a test of the affected component. CFR Title 43 Part 3170 states, "Some situation may exist either on a well-by- well basis or field-wide basis whereby it is commonly accepted practice to vary a particular minimum standard(s) established in this order. This situation can be resolved by requesting a variance…". XTO Energy feels the break testing the BOPE is such a situation. Therefore, as per CFR Title 43 Part 3170, XTO Energy submits this request for the variance.

Supporting Documentation

CFR Title 43 Part 3170 became effective on December 19, 1988 and has remained the standard for regulating BLM onshore drilling operations for over 30 years. During this time there have been significant changes in drilling technology. BLM continues to use the variance request process to allow for the use of modern technology and acceptable engineering practices that have arisen since CFR Title 43 Part 3170 was originally released. The XTO Energy drilling rig fleet has many modern upgrades that allow the intact BOP stack to be moved between well slots on a multi-well pad, as well as, wellhead designs that incorporate quick connects facilitating release of the BOP from the wellhead without breaking any BOP stack components apart. These technologies have been used extensively offshore, and other regulators, API, and many operators around the world have endorsed break testing as safe and reliable.

Figure 1: Winch System attached to BOP Stack

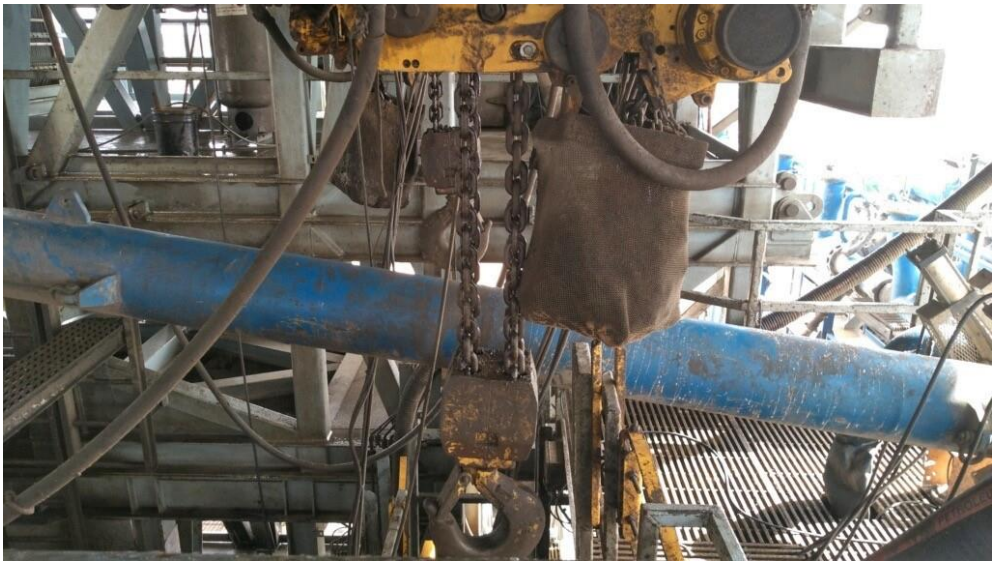


Figure 2: BOP Winch System

American Petroleum Institute (API) standards, specification and recommended practices are considered the industry standard and are consistently utilized and referenced by the industry. CFR Title 43 Part 3170recognizes API recommended Practices (RP) 53 in its original development. API Standard 53, *Well Control Equipment Systems for Drilling Wells* (Fifth Edition, December 2018, Annex C, Table C.4) recognizes break testing as an acceptable practice. Specifically, API Standard 53, Section 5.3.7.1 states "A pressure test of the pressure containing component shall be performed following the disconnection or repair, limited to the affected component." See Table C.4 below for reference.

62 API STANDARD 53

Table C.4—Initial Pressure Testing, Surface BOP Stacks

Component to be Pressure Tested	Pressure Test—Low Pressure[ac] psig (MPa)	Pressure Test—High Pressure[ac]	
		Change Out of Component, Elastomer, or Ring Gasket	No Change Out of Component, Elastomer, or Ring Gasket
Annular preventer[b]	250 to 350 (1.72 to 2.41)	RWP of annular preventer	MASP or 70% annular RWP, whichever is lower.
Fixed pipe, variable bore, blind, and BSR preventers[bd]	250 to 350 (1.72 to 2.41)	RWP of ram preventer or wellhead system, whichever is lower	ITP
Choke and kill line and BOP side outlet valves below ram preventers (both sides)	250 to 350 (1.72 to 2.41)	RWP of side outlet valve or wellhead system, whichever is lower	ITP
Choke manifold—upstream of chokes[e]	250 to 350 (1.72 to 2.41)	RWP of ram preventers or wellhead system, whichever is lower	ITP
Choke manifold—downstream of chokes[e]	250 to 350 (1.72 to 2.41)	RWP of valve(s), line(s), or MASP for the well program, whichever is lower	
Kelly, kelly valves, drill pipe safety valves, IBOPs	250 to 350 (1.72 to 2.41)	MASP for the well program	

[a] Pressure test evaluation periods shall be a minimum of five minutes.
No visible leaks.
The pressure shall remain stable during the evaluation period. The pressure shall not decrease below the intended test pressure.

[b] Annular(s) and VBR(s) shall be pressure tested on the largest and smallest OD drill pipe to be used in well program.

[c] For pad drilling operations, moving from one wellhead to another within the 21 days, pressure testing is required for pressure-containing and pressure-controlling connections when the integrity of a pressure seal is broken.

[d] For surface offshore operations, the ram BOPs shall be pressure tested with the ram locks engaged and the closing and locking pressure vented during the initial test. For land operations, the ram BOPs shall be pressure tested with the ram locks engaged and the closing and locking pressure vented at commissioning and annually.

[e] Adjustable chokes are not required to be full sealing devices. Pressure testing against a closed choke is not required.

The Bureau of Safety and Environmental Enforcement (BSEE), Department of Interior, has also utilized the API standards, specification and best practices in the development of its offshore oil and gas regulations and incorporates them by reference within its regulations.

Break testing has been approved by the BLM in the past with other operators based on the detailed information provided in this document.

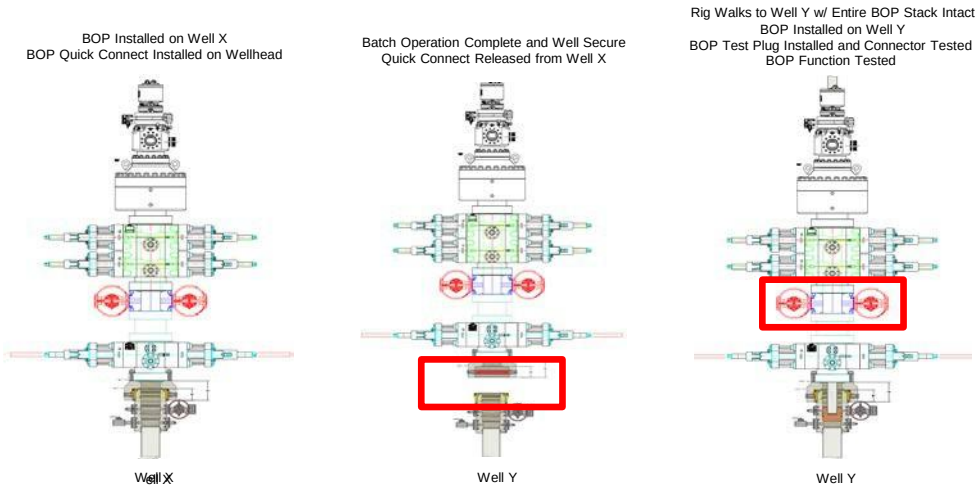
XTO Energy feels break testing and our current procedures meet the intent of CFR Title 43 Part 317 0and often exceed it. There has been no evidence that break testing results in more components failing than seen on full BOP tests. XTO Energy's internal standards requires complete BOPE tests more often than that of CFR Title 43 Part 3170 (Every 21 days). In addition to function testing the annular, pipe rams and blind rams after
each BOP nipple up, XTO Energy performs a choke drill with the rig crew prior to drilling out every casing shoe. This is additional training for the rig crew that exceeds the requirements of the CFR Title 43 Part 3170.

Procedures

1. XTO Energy will use this document for our break testing plan for New Mexico Delaware basin. The summary below will be referenced in the APD or Sundry Notice and receive approval prior to implementing this variance.
2. XTO Energy will perform BOP break testing on multi-wells pads where multiple intermediate sections can be drilled and cased within the 21-day BOP test window.
    a. A full BOP test will be conducted on the first well on the pad.
    b. The first intermediate hole section drilled on the pad will be the deepest. All of the remaining hole sections will be the same depth or shallower.
        i. Our Lower WC targets set the intermediate casing shoe no deeper than the Wolfcamp B.
        ii. Our Upper WC targets set the intermediate casing shoe shallower than the Wolfcamp B.
    c. A Full BOP test will be required if the intermediate hole section being drilled has a MASP over 5M.
    d. A full BOP test will be required prior to drilling any production hole.
3. After performing a complete BOP test on the first well, the intermediate hole section will be drilled and cased, two breaks would be made on the BOP equipment.
    a. Between the HCV valve and choke line connection
    b. Between the BOP quick connect and the wellhead
4. The BOP is then lifted and removed from the wellhead by a hydraulic system.
5. After skidding to the next well, the BOP is moved to the wellhead by the same hydraulic system and installed.
6. The connections mentioned in 3a and 3b will then be reconnected.
7. Install test plug into the wellhead using test joint or drill pipe.
8. A shell test is performed against the upper pipe rams testing the two breaks.
9. The shell test will consist of a 250 psi low test and a high test to the value submitted in the APD or Sundry (e.g. 5,000 psi or 10,000psi).
10. Function test will be performed on the following components: lower pipe rams, blind rams, and annular.

11. For a multi-well pad the same two breaks on the BOP would be made and on the next wells and steps 4 through 10 would be repeated.
12. A second break test would only be done if the intermediate hole section being drilled could not be completed within the 21 day BOP test window.

Note: Picture below highlights BOP components that will be tested during batch operations



Summary

A variance is requested to **ONLY** test broken pressure seals on the BOP equipment when moving from wellhead to wellhead which is in compliance with API Standard 53. API Standard 53 states, that for pad drilling operation, moving from one wellhead to another within 21 days, pressure testing is required for pressure-containing and pressure-controlling connections when the integrity of a pressure seal is broken.

The BOP will be secured by a hydraulic carrier or cradle. The BLM will be contacted if a Well Control event occurs prior to the commencement of a BOPE Break Testing operation.

Based on discussions with the BLM on February 27th 2020 and the supporting documentation submitted to the BLM, we will request permission to ONLY retest broken pressure seals if the following conditions are met:

1. After a full BOP test is conducted on the first well on the pad.

2. The first intermediate hole section drilled on the pad will be the deepest. All of the remaining hole sections will be the same depth or shallower.

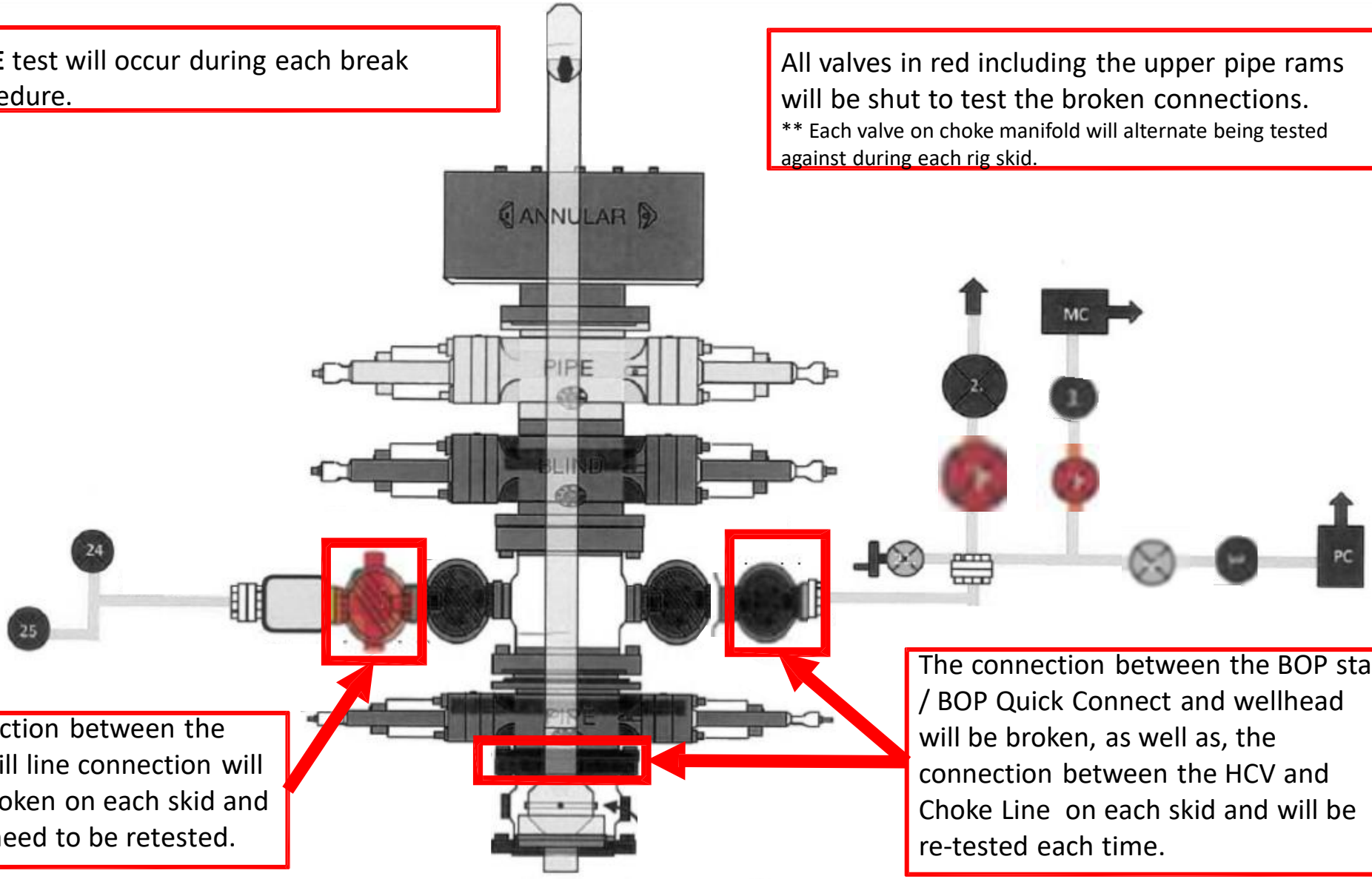
3. Full BOP test will be required if the intermediate hole section being drilled has a MASP over 5M.

4. Full BOP test will be required prior to drilling the production hole.

Only **ONE** test will occur during each break test procedure.

All valves in red including the upper pipe rams will be shut to test the broken connections.

** Each valve on choke manifold will alternate being tested against during each rig skid.



The connection between the HCV and kill line connection will **NOT** be broken on each skid and does not need to be retested.

The connection between the BOP stack / BOP Quick Connect and wellhead will be broken, as well as, the connection between the HCV and Choke Line on each skid and will be re-tested each time.

10,000 PSI Annular BOP Variance Request

XTO Energy/XTO Permian Op. request a variance to use a 5000 psi annular BOP with a 10,000 psi BOP stack. The component and compatibility tables along with the general well control plans demonstrate how the 5000 psi annular BOP will be protected from pressures that exceed its rated working pressure (RWP). The pressure at which the control of the wellbore is transferred from the annular preventer to another available preventer will not exceed 3500 psi (70% of the RWP of the 5000 psi annular BOPL).

1. Component and Preventer Compatibility Tables

The tables below outline the tubulars and the compatible preventers in use. This table, combined with the drilling fluid, documents that two barriers to flow will be maintained at all times.

8-1/2" Production Hole Section 10M psi Requirement					
Component	**OD**	**Primary Preventer**	**RWP**	**Alternate Preventer(s)**	**RWP**
Drillpipe	5.000" or 4.500"	Annular	5M	Upper 3.5"-5.5" VBR Lower 3.5"-5.5" VBR	10M 10M
HWDP	5.000" or 4.500"	Annular	5M	Upper 3.5"-5.5" VBR Lower 3.5"-5.5" VBR	10M 10M
Jars	6.500"	Annular	5M	-	-
DCs and MWD tools	6.500"-8.000"	Annular	5M	-	-
Mud Motor	6.750"-8.000"	Annular	5M	-	-
Production Casing	5-1/2"	Annular	5M	-	-
Open-Hole	-	Blind Rams	10M	-	-

2. Well Control Procedures

Below are the minimal high-level tasks prescribed to assure a proper shut-in while drilling, tripping, running casing, pipe out of the hole (open hole), and moving the BHA through the BOPs. At least one well control drill will be performed weekly per crew to demonstrate compliance with the procedure and well control plan. The well control drill will be recorded in the daily drilling log. The type of drill will be determined by the ongoing operations, but reasonable attempts will be made to vary the type of drill conducted (pit, trip, open hole, choke, etc.). This well control plan will be available for review by rig personnel in the XTO Energy/Permian Operating drilling supervisor's office on location and on the rig floor. All BOP equipment will be tested as per Onshore O&G Order No. 2 with the exception of the 5000 psi annular which will be tested to 70% of its RWP.

General Procedure While Drilling

1. Sound alarm (alert crew)
2. Space out drill string
3. Shut down pumps (stop pumps and rotary)
4. Shut-in well (uppermost applicable BOP, typically annular preventer, first. HCR & choke will already be in the closed position.)
5. Confirm shut-in
6. Notify toolpusher/company representative
7. Read and record the following:
    a. SIDPP & SICP
    b. Pit gain
    c. Time
8. Regroup and identify forward plan

9. If pressure has built or is anticipated during the kill to reach 70% or greater of the RWP of the annular preventer, confirm spacing and close the upper variable bore rams.

General Procedure While Tripping

1. Sound alarm (alert crew)
2. Stab full-opening safety valve & close
3. Space out drill string
4. Shut-in well (uppermost applicable BOP, typically annular preventer, first. HCR & choke will already be in the closed position.)
5. Confirm shut-in
6. Notify toolpusher/company representative
7. Read and record the following:
    a. SIDPP & SICP
    b. Pit gain
    c. Time
8. Regroup and identify forward plan
9. If pressure has built or is anticipated during the kill to reach 70% of the RWP of the annular preventer, confirm spacing and close the upper variable bore rams.

General Procedure While Running Production Casing

1. Sound alarm (alert crew)
2. Stab crossover and full-opening safety valve and close
3. Space out string
4. Shut-in well (uppermost applicable BOP, typically annular preventer, first. HCR & choke will already be in the closed position.)
5. Confirm shut-in
6. Notify toolpusher/company representative
7. Read and record the following:
    a. SIDPP & SICP
    b. Pit gain
    c. Time
8. Regroup and identify forward plan
9. If pressure has built or is anticipated during the kill to reach 70% or greater of the RWP of the annular preventer, confirm spacing and close the upper variable bore rams.

General Procedure With No Pipe In Hole (Open Hole)

1. Sound alarm (alert crew)
2. Shut-in with blind rams (HCR & choke will already be in the closed position)
3. Confirm shut-in
4. Notify toolpusher/company representative
5. Read and record the following:
    a. SICP
    b. Pit gain
    c. Time
6. Regroup and identify forward plan

General Procedures While Pulling BHA Through Stack

1. PRIOR to pulling last joint of drillpipe through stack:
    a. Perform flow check. If flowing, continue to (b).
    b. Sound alarm (alert crew)
    c. Stab full-opening safety valve and close
    d. Space out drill string with tool joint just beneath the upper variable bore rams
    e. Shut-in using upper variable bore rams (HCR & choke will already be in the closed position)
    f. Confirm shut-in
    g. Notify toolpusher/company representative
    h. Read and record the following:
        i. SIDPP & SICP
        ii. Pit gain
        iii. Time
    i. Regroup and identify forward plan
2. With BHA in the stack and compatible ram preventer and pipe combination immediately available:
    a. Sound alarm (alert crew)
    b. Stab crossover and full-opening safety valve and close
    c. Space out drill string with upset just beneath the upper variable bore rams
    d. Shut-in using upper variable bore rams (HCR & choke will already be in the closed position)
    e. Confirm shut-in
    f. Notify toolpusher/company representative
    g. Read and record the following:
        i. SIDPP & SICP

ii. Pit gain
iii. Time

h. Regroup and identify forward plan

3. With BHA in the stack and NO compatible ram preventer and pipe combination immediately available:
   a. Sound alarm (alert crew)
   b. If possible, pull string clear of the stack and follow "Open Hole" procedure.
   c. If impossible to pull string clear of the stack:
   d. Stab crossover, make up one joint/stand of drillpipe and full-opening safety valve and close
   e. Space out drill string with tooljoint just beneath the upper variable bore ram
   f. Shut-in using upper variable bore ram (HCR & choke will already be in the closed position)
   g. Confirm shut-in
   h. Notify toolpusher/company representative
   i. Read and record the following:
      i. SIDPP & SICP
      ii. Pit gain
      iii. Time
   j. Regroup and identify forward plan

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 372939

CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 372939
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	All original COA's still apply. Additionally, if cement is not circulated to surface during cementing operations, then a CBL is required.	8/16/2024